

What is claimed is:

1. A method of communicating message data in a mobile communication system comprising:

transmitting a first information for informing arrival of the message data;
transmitting a second information indicating a position of a target time slot in a communication packet in which the message data is included; and
including the message data in the target slot.

2. The method of claim 1, wherein the message data is carried over a paging channel, and wherein a searching period for the paging channel is equivalent to a searching period for a general page message.

3. The method of claim 1, wherein the first information and the second information are included in a general page message for transmission.

4. The method of claim 1, wherein the short message is included in a data burst message for transmission.

5. A method of receiving a short message in a mobile communication system comprising:

searching for first and second information, the first information for informing arrival of the short message and the second information for informing a position of a slot on which the arrived short message is carried during a search period of a paging channel;

determining a slot for receiving the short message based on the first and second information; and

receiving the short message carried on the slot.

6. The method of claim 5, wherein a search period for the paging channel is the same as a search period for a general page message.

7. The method of claim 5, wherein the first information and the second information are included in a general page message.

8. The method of claim 5, wherein the short message is included in a data burst message.

9. A method of communicating a broadcasting short message in a mobile communication system comprising:

- transmitting first information for informing arrival of the broadcasting short message;

- transmitting second information for informing a position of a slot on which the arrived broadcasting short message is carried using a paging channel and in accordance with a searching period for the paging channel;

- carrying the arrived broadcasting short message on a slot corresponding to the second information and transmitting the broadcasting short message;

- searching for the first information for determining arrival of the broadcasting short message;

- searching for the second information for informing a position of a slot on which the arrived broadcasting short message is carried in accordance with a searching period for a paging channel;

- determining a slot for receiving the broadcasting short message based on the searched first and second information; and

- receiving the broadcasting short message carried on the determined slot.

10. The method of claim 9, wherein a searching period for the paging channel is approximately equal to a searching period for a general page message.

11. The method of claim 9, wherein the first information and the second information are included in the general page message to be transmitted.

12. The method of claim 9, wherein the broadcasting short message is included in a data burst message to be transmitted.

13. A system for communicating information comprising:

a mobile communication network for transmitting a first information in a first communication cycle having a first plurality of time slots, and a second information in a second communication cycle having a second plurality of time slots, wherein the first information indicates position of the message information in a target slot in said second plurality of time slots; and

a mobile communication terminal for searching a time slot in the first communication cycle for the first information, and retrieving the second information from the target slot based on the first information.

14. The system of claim 13, wherein the first information is position information.

15. The system of claim 13, wherein the second information is message information.

16. The system of Claim 13, wherein the first information indicates the presence of the second information in the second communication cycle.

17. The system of Claim 13, wherein the second information comprises a text message.

18. The system of Claim 13, wherein the second information comprise a mobile short message.

19. The system of Claim 13, wherein the first and second information are transmitted over a paging channel of the mobile communication network.

20. The system of Claim 18, wherein the mobile short message is transmitted in a data burst message.

21. A method for transmitting information from a mobile communication network, the method comprising:

transmitting a first information in a first communication cycle having a first plurality of time slots; and

transmitting a second information in a second communication cycle having a second plurality of time slots,

wherein the first information indicates position of the second information in a target slot in said second plurality of time slots, such that the second information can be retrieved from the target slot in said second communication cycle based on the first information.

22. The method of claim 21, wherein the first information is position information.

23. The method of claim 21, wherein the second information is message information.

24. The method of Claim 21, wherein the first information indicates the presence of the second information in the second communication cycle.

25. The method of Claim 21, wherein the second information comprises a text message.

26. The method of Claim 21, wherein the second information comprise a mobile short message.

27. The method of Claim 21, wherein the first and second information are transmitted over a paging channel of the mobile communication network.

28. The method of Claim 26, wherein the mobile short message is transmitted in a data burst message.

29. The method of claim 21, wherein the first and second information are transmitted over a general paging channel.

30. The method of claim 21, wherein the first and second information are transmitted from a mobile communications network.

31. A method for communicating information in a mobile communication network, the method comprising:

receiving a first information in a first communication cycle having a first plurality of time slots; and

receiving a second information in a second communication cycle having a second plurality of time slots,

wherein the first information indicates position of the second information in a target slot in said second plurality of time slots, such that the second information can be retrieved from the target slot in said second communication cycle based on the first information.

32. The method of claim 31, wherein the first information is position information.

33. The method of claim 31, wherein the second information is message information.

34. The method of Claim 31, wherein the first information indicates the presence of the second information in the second communication cycle.

35. The method of Claim 31, wherein the second information comprises a text message.

36. The method of Claim 31, wherein the second information comprise a mobile short message.

37. The method of Claim 31, wherein the first and second information are transmitted over a paging channel of the mobile communication network.

38. The method of Claim 36, wherein the mobile short message is transmitted in a data burst message.

39. The method of claim 31, wherein the first and second information are transmitted over a general paging channel from a mobile communications network.

40. The method of claim 31, wherein the first and second information are received by a mobile communication terminal.

41. An apparatus for receiving information in a mobile communication network comprising:

a search mechanism for searching a slot in a first communication cycle for first information indicating the position of a second information in a target slot in a second communication cycle; and

a retrieving mechanism for retrieving the second information from the target slot based on the first information.

42. The apparatus of claim 41, wherein the second information is message information.

43. The apparatus of claim 41, wherein the first information further indicates the presence of the second information in the second communication cycle.

44. The apparatus of claim 41, wherein the second information comprises a text message.

45. The apparatus of claim 41, wherein the second information comprise a mobile short message.

46. The apparatus of claim 41, wherein the first and second information are transmitted over a paging channel of the mobile communication network.

47. The apparatus of claim 45, wherein the mobile short message is transmitted in a data burst message.

48. The apparatus of claim 41, wherein the first and second information are transmitted over a general paging channel from a mobile communications network.

49. The apparatus of claim 41, wherein the apparatus is a mobile communication terminal.

50. The apparatus of claim 41, wherein the mobile communication terminal is in communication with a mobile base station.

51. A communication channel in a mobile communication network for transmitting information from a base station to a mobile terminal, the communication channel comprising:

a first communication cycle comprising a first plurality of time slots, wherein a first time slot comprises a first information; and

a second communication cycle comprising a second plurality of time slots,
wherein a target time slot comprise a second information,
wherein the first information provides position of the target time slot in the
second communication cycle.

52. The communication channel of claim 51, wherein the second information is message information.

53. The communication channel of claim 51, wherein the first information further indicates the presence of the second information in the second communication cycle.

54. The communication channel of claim 51, wherein the second information comprises a text message.

55. The communication channel of claim 51, wherein the second information comprise a mobile short message.

56. The communication channel of claim 51, wherein the first and second information are transmitted over a paging channel of the mobile communication network.

57. The communication channel of claim 55, wherein the mobile short message is transmitted in a data burst message.

58. The communication channel of claim 51, wherein the first and second information are transmitted over a general paging channel from a mobile communications network.

59. The communication channel of Claim 51, wherein a mobile communication terminal searches the first communication cycle for the first

information to determine the position of the target time slot in the second communication cycle.

60. The communication channel of Claim 51, wherein a mobile communication terminal searches the first communication cycle for the first information, and retrieves the second information from the target time slot based on the first information.

61. An apparatus for transmitting information in a mobile communication network comprising:

means for transmitting a first information in a first communication cycle having a first plurality of time slots; and

means for transmitting a second information in a second communication cycle having a second plurality of time slots,

wherein the first information indicates position of the second information in a target slot in said second plurality of time slots, such that the second information can be retrieved from the target slot in said second communication cycle based on the first information.

62. An apparatus for transmitting information in a mobile communication network comprising:

a transmitter wherein the transmitter transmits a first information in a first communication cycle having a first plurality of time slots and for transmitting a second information in a second communication cycle having a second plurality of time slots, wherein the first information indicates position of the second information in a target slot in said second plurality of time slots, such that the second information can be retrieved from the target slot in said second communication cycle based on the first information.